

PATENT

Claim Amendments:

✓ Please amend the claims as indicated:

- Sub P 7
1. (Currently Amended) A system for concurrent wireless voice and data communications comprising:
- (a) a first transceiving unit tethered to a voice network and to a data network;
 - (b) a second, mobile transceiving unit;
 - (c) the first transceiving unit combines and transmits to the second, mobile transceiving unit independent of user control, voice and data information from the voice and the data network respectively, and receives and separates voice and data information from the second, mobile transceiving unit and routes to the voice network and the data network, respectively; and,
 - (d) the second, mobile transceiving unit combines and transmits to the first transceiving unit, voice and data information and receives and separates voice and data information from the first transceiving ~~unit~~ unit;
- wherein the first transceiving unit employs multiple frequency, time-division-multiple-access, time-division-duplex, channels that support concurrent wireless voice and data communications.
2. (Original) The system as recited in claim 1 wherein the data network is a V.90 modem coupled to a public switched telephone network.
3. (Original) The system as recited in claim 1 wherein the data network is an ISDN modem coupled to a public switched telephone network.
4. (Original) The system as recited in claim 1 wherein the data network is a DSL modem coupled to a public switched telephone network.
5. (Original) The system as recited in claim 1 wherein the data network is a cable modem coupled to a CATV system.

6. (Original) The system as recited in claim 1 wherein the data network is an Ethernet network.

Claims 7-21 (Canceled)

22. (New) The system as recited in claim 1 wherein voice and data information are packetized into plural time slots within a time frame and share equal amounts of the time frame.

23. (New) The system as recited in claim 22 wherein each of the plural time slots has a different one of the multiple frequency channels.

24. (New) The system as recited in claim 22 wherein each of the plural time slots changes to a different one of the multiple frequency channels after a predetermined number of consecutive frames.

25. (New) The system as recited in claim 22 wherein a time slot containing data information further comprises a forward error correction code.

26. (New) A method for concurrent wireless voice and data communications between first and second transceiving units, the first transceiving unit tethered to a voice network and to a data network and the second transceiving unit being mobile, comprising the steps of:

- (a) providing plural frequency, time-division-multiple-access, time-division-duplex, channels;
- (b) combining and transmitting both voice and data information on the plural channels; and
- (c) receiving and separating the voice and data information.

wherein the concurrent wireless voice and data communications is concurrent from a user's perspective.

27. (New) The method as recited in claim 26 wherein the voice and data information are packetized into plural time slots within a time frame and share equal amounts of the time frame.

28. (New) The method as recited in claim 27 wherein each of the plural time slots changes to a different one of the plural frequency channels after a predetermined number of consecutive frames.

29. (New) The method as recited in claim 27 wherein a time slot containing data information further comprises a forward error correction code.

30. (New) The method as recited in claim 27 wherein the number of plural frequency channels is greater than the number of plural time slots.

31. (New) The method as recited in claim 27 wherein the number of plural frequency channels is less than the number of plural time slots.

32. (New) The method as recited in claim 27 wherein the number of plural frequency channels is equal to the number of plural time slots.

33. (New) The method as recited in claim 27 wherein step (a) adheres to the Digital Enhanced Cordless Telecommunications standard.

34. (New) The method as recited in claim 26 wherein step (a) complies with Digital Enhanced Cordless Telecommunications standards.

35. (New) The method as recited in claim 26 wherein the plural frequency channels operate between 2.4 GHz and 2.5 GHz.